From: Phong Do
To: James Nelson; Kelly Cloward; Mike Alley
Date: 8/8/02 8:26AM
Subject: U1 Turbine and BFPT Screen Installation

Due to the upcoming U1 boiler work on the secondary supper heat tubes, GE and Alstom suggested to install temporary screen to protect against foreign material entering the main and BFP turbines. Recommendations are summarized below:

1. Install a 3-layer-screen, coarse (5 mesh), fine (14 mesh), coarse (5 mesh) strainers on the 4 main stop valves to protect the HP and on the 2 BFPT's high pressure stop valves.
2. The minimum operating period is 24 hrs at full load and the maximum operating period is 8 weeks at loads of one-half and up.
3. Pressure drop across the valve should be monitored. 2% of upstream pressure is considered normal. If the pressure drop increases to 5% or more at full load, the screen needs to be replaced. High pressure drop will interfere with the valve traveling.
4. Startup strainer is not needed on the IP's CRV if there is no contamination on the hot reheat pipe.
5. Temporary blowout is not needed due to the relative small work scope of the boiler.
6. It would take 36 to 48 hrs to remove the 2 temporary screen layers and to welded and riveted the permanent screen (GE shop.) Therefore, each valve should have 1 startup strainer to be installed during the outage and 1 permanent operating strainer to be installed after startup.
7. Minimizing the foreign material entering the steam supply system is the best course of protection and highly recommended.

Planning for material purchase, installation, startup and screen removal schedule is needed. Thanks.

CC: Aaron Nissen; Bob Archibald; Craig Stumph; Dale Hurd; Dave Hahn; Dave Spence; David Allan; Dean Wood; Jerry Hintze; Jim Kelsey; Jon Finlinson; Richard Houston; Stan Smith; Will Lovell